

=> b reg  
 FILE 'REGISTRY' ENTERED AT 15:57:26 ON 12 DEC 2008  
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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 11 DEC 2008 HIGHEST RN 1083154-18-0  
 DICTIONARY FILE UPDATES: 11 DEC 2008 HIGHEST RN 1083154-18-0

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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REGISTRY includes numerically searchable data for experimental and  
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 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que sta l10  
 L5 STR

Hy<sup>1</sup>Hy<sup>2</sup>Hy<sup>3</sup>Hy<sup>4</sup>  
 1 2 3 4

NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED  
 ECOUNT IS E7 C E2 N AT 1  
 ECOUNT IS E4 C E2 N AT 2  
 ECOUNT IS E4 C E2 N AT 3  
 ECOUNT IS E7 C E2 N AT 4

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE  
 L7 258824 SEA FILE=REGISTRY ABB=ON PLU=ON N2C4/ES  
 L10 2 SEA FILE=REGISTRY SUB=L7 SSS FUL L5

100.0% PROCESSED 258824 ITERATIONS 2 ANSWERS  
 SEARCH TIME: 00.00.06

=> b hcap  
 FILE 'HCAPLUS' ENTERED AT 15:57:30 ON 12 DEC 2008  
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FILE COVERS 1907 - 12 Dec 2008 VOL 149 ISS 25  
 FILE LAST UPDATED: 11 Dec 2008 (20081211/ED)

HCAplus now includes complete International Patent Classification (IPC)

reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> d bib abs hitstr 113 tot

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on SIN

AN 2005:82709 HCAPLUS

DN 143:229836

TI Preparation of dimeric azacyclic compounds and their use as nicotine

receptor ligands

IN Peters, Dan; Olsen, Gunnar M.; Nielsen, Elsebet Ostergaard; Jorgensen,

Tino Dyhring; Timmermann, Daniel B.

PA Neurosearch A/S, Den.

SO PCT Int. Appl., 85 pp.

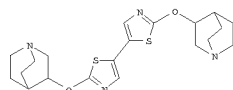
CODEN: PIXXD2

DT Patent

LA English

PAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO--2005075479	A1	20050818	2005WO-EP0050403	20050201
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DE, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ME, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TE, UA, US, VE, VC, VN, YU, ZA, ZM, ZW			
FW:	BW, CH, GM, KE, LS, MW, NE, NA, SD, SI, SE, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GH, GQ, GW, ML, MR, NE, SN, TD, TG			
EP-----1713809	A1	20061025	2005EP-000716605	20050201
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CY, EE, HU, PL, SK, IS			
JP--2007520525	T	20070726	2006JP-000551843	20050201
US-20080242668	A1	20081002	2006US-000586838	20060721
PRAI 2004DK-000001170	A	20040204		
2004US-00541752P	P	20040205		
2005WO-EP0050403	W	20050201		
OS CASREACT 143:229836; MARPAT 143:229836				
GI				



II

AB Title compds. A2A-X'-A'-Y'-L-Y''-A''-X''-A2A (A2A = azacyclic group, e.g., quinuclidinyl, etc.; X', X'' = absent, O, OCH<sub>2</sub>, etc.; A', A'' = (un)substituted aromatic cyclic, etc.; Y', Y'' = absent, bond; L = absent, bond; I) are prepared. For instance, II is prepared in two steps from 3-quinuclidinol and 2,5-dibromothiazole. II has an IC<sub>50</sub> = 0.20 μM for the nicotinic α-bungarotoxin receptor. I are useful for the treatment of diseases or disorders as diverse as those related to the cholinergic system of the central nervous system (CNS), the peripheral nervous system (PNS), diseases or disorders related to smooth muscle contraction, endocrine diseases or disorders, or disorders related to neurodegeneration, diseases or disorders related to inflammation, pain, and withdrawal symptoms caused by the termination of abuse of chemical substances.

II 862554-09-4P 862554-10-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

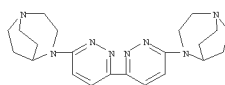
(preparation of dimeric azacyclic compds. and their use as nicotine receptor ligands)

RN 862554-09-4 HCAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane, 4,4'-(3,3'-bipyridazine)-6,6'-diylbis-

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on SIN (Continued)

(9CI) (CA INDEX NAME)



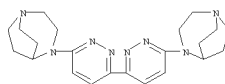
RN 862554-10-7 HCAPLUS

CN 1,4-Diazabicyclo[3.2.2]nonane, 4,4'-(3,3'-bipyridazine)diylbis-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 862554-09-4

CMF C22 H30 N8

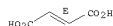


CM 2

CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 15:41:28 ON 12 DEC 2008)

L1 FILE 'HCAPLUS' ENTERED AT 15:41:58 ON 12 DEC 2008  
1 US20080242668/PN

FILE 'REGISTRY' ENTERED AT 15:43:14 ON 12 DEC 2008

L2 FILE 'HCAPLUS' ENTERED AT 15:43:14 ON 12 DEC 2008  
TRA L1 1- RN : 17 TERMS

L3 FILE 'REGISTRY' ENTERED AT 15:43:15 ON 12 DEC 2008  
17 SEA L2  
L4 9 L3 AND N2C4/ES

FILE 'STNGUIDE' ENTERED AT 15:43:47 ON 12 DEC 2008

FILE 'REGISTRY' ENTERED AT 15:52:25 ON 12 DEC 2008  
L5 STR  
L6 0 L5  
L7 258824 N2C4/ES  
L8 3324 NC5-NC2NC3/ES  
L9 0 L5 SAM SUB=L7  
L10 2 L5 FULL SUB=L7  
SAV TEM J838C1/A L10  
L11 2 L10 AND L3

L12 FILE 'HCAOLD' ENTERED AT 15:56:21 ON 12 DEC 2008  
0 L10

L13 FILE 'HCAPLUS' ENTERED AT 15:56:25 ON 12 DEC 2008  
1 L10

L14 FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 15:56:42 ON 12 DEC 2008  
0 L10

FILE 'REGISTRY' ENTERED AT 15:57:26 ON 12 DEC 2008

FILE 'HCAPLUS' ENTERED AT 15:57:30 ON 12 DEC 2008

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